

FIG 1a

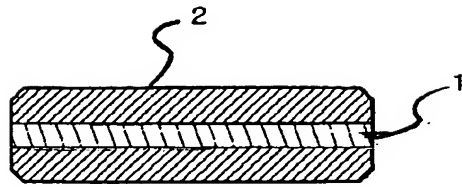


FIG 1b

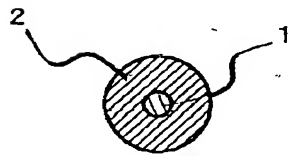


FIG 2

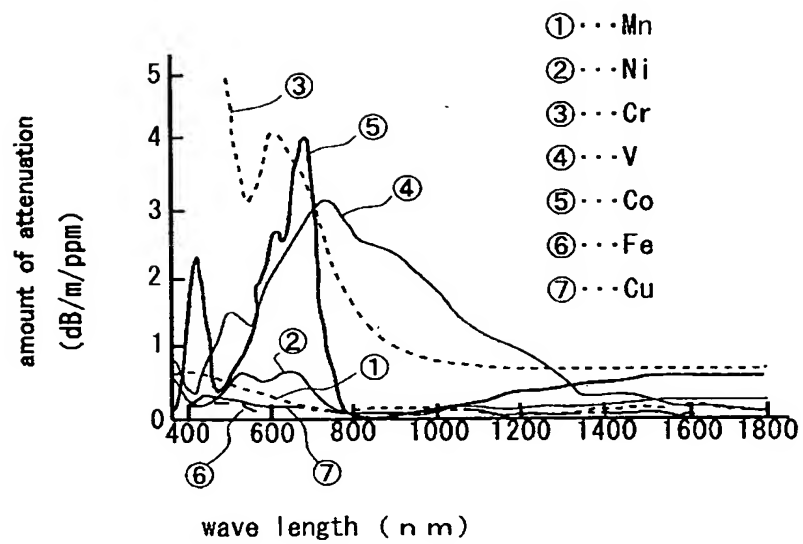


FIG 3

λ	amount of attenuation					dB/m/ppm
	M n	N i	C r	V	C o	
1310nm	0.07	0.18	0.73	0.48	0.45	0.13
1550nm	0.06	0.26	0.74	0.22	0.57	0.10

λ : wave length

FIG 4

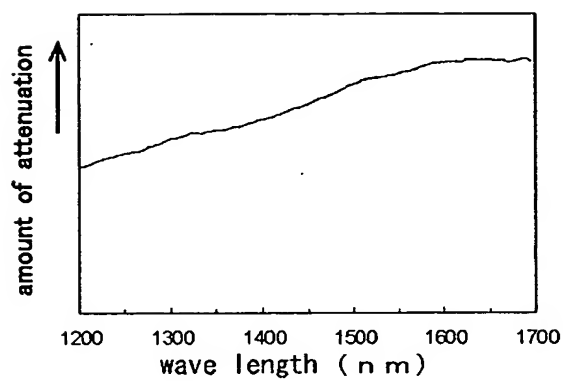


FIG 5

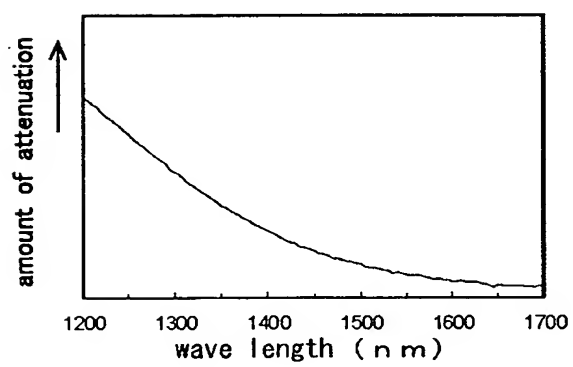


FIG 6

